

**Notice of Allowability**

Application No.

10/518,021

Applicant(s)

MORISHIGE, HARUO

Examiner

Michael J. Logie

Art Unit

2881

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to September 17, 2007.
2. ☒ The allowed claim(s) is/are 1-3, 6-8, 10-14.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application
- ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other \_\_\_\_\_

  
Jack I. Berman  
Primary Examiner

***Allowable Subject Matter***

An "Amendment" was received on September 17, 2007, in response to Office Action of June 18, 2007. Claims 1-3, 6-8, and 10-14 are pending. Claims 1, 3, 6, 8, and 10-14 have been amended; and Claims 4, 5 and 9 are canceled.

Claims 1-3, 6-8, and 10-14 are allowed.

The following is an examiner's statement of reasons for the allowance:

In regards to claim 1, prior art fails to disclose a fiber reinforced concrete cask formed by injecting into and solidifying concrete within a support frame, wherein reinforcement fiber sheets are disposed at least on an outside circumference surface of said cask, said reinforcement fiber sheets have a coefficient of thermal expansion less than a coefficient of thermal expansion of the concrete, and said support frame is sewn together into a cylindrical bag shape and made from reinforcement fiber sheets.

Claims 2, 3 and 10 are allowed by virtue of their dependencies on the independent claim 1.

In regards to claim 6, prior art fails to disclose a support frame for forming a concrete cask, wherein said support frame is made from reinforcement fiber sheets having a coefficient of thermal expansion that is less than a coefficient of thermal expansion of concrete used to form the concrete cask, and said support frame is sewn together into a cylindrical bag shape and made from the reinforcement fiber sheets.

Claims 7 and 8 allowed by virtue of their dependencies on the independent claim 6.

In regards to claim 11, prior art fails to disclose a method of fabricating a concrete cask, comprising forming a support frame for injection of concrete, using reinforcement fiber sheets having a coefficient of thermal expansion less than a coefficient of thermal expansion of the concrete, and injecting the concrete into said support frame.

Claims 12-14 are allowed by virtue of their dependencies on the independent claim 11.

### ***Conclusion***

Below is a listing of pertinent prior art relevant to this application:

Roy et al. (US patent no. 5,789,648).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J. Logie whose telephone number is 571-270-1616. The examiner can normally be reached on 7:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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ml

*Michael Logu*  
*11/01/2007*

*Jack I. Berman*  
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